



PRODUCT NAME : 2SA1309A PNP General Purpose Transistor (Pack of 5)

PRICE : Rs 39.00

SKU : RM2136



DESCRIPTION

NOTE: THE PRODUCT MAY BE DIFFERENT FROM IMAGE SHOWN. Copyrights by Robomart.com

Features

- Collector-Emitter Volt (V_{ce0}): 50V
- Collector-Base Volt (V_{cb0}): 60V
- Collector Current (I_c): 0.1A
- h_{fe} : 160-460 @ 2mA
- Power Dissipation (P_{tot}): 300mW
- Current-Gain-Bandwidth (f_{total}): 80MHz
- Type: PNP

Transistor

Panasonic

2SA1309A

Silicon PNP epitaxial planer type

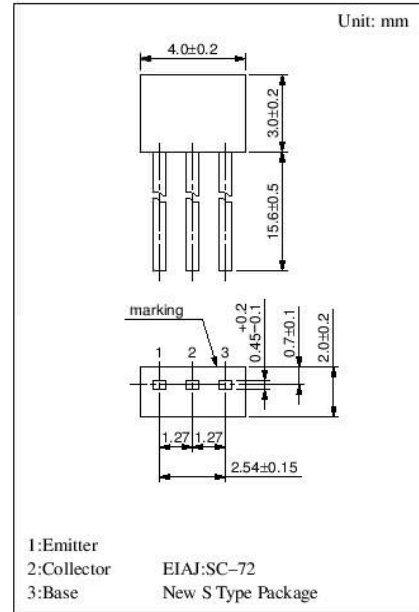
For low-frequency amplification
 Complementary to 2SC3311A

■ Features

- High forward current transfer ratio h_{FE} .
- Allowing supply with the radial taping.
- Optimum for high-density mounting.

■ Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	-60	V
Collector to emitter voltage	V_{CEO}	-50	V
Emitter to base voltage	V_{EBO}	-7	V
Peak collector current	I_{CP}	-200	mA
Collector current	I_C	-100	mA
Collector power dissipation	P_C	300	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 ~ +150	°C



■ Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = -10V, I_E = 0$			-100	nA
	I_{CEO}	$V_{CE} = -10V, I_B = 0$			-1	μA
Collector to base voltage	V_{CBO}	$I_C = -10\mu A, I_E = 0$	-60			V
Collector to emitter voltage	V_{CEO}	$I_C = -2mA, I_B = 0$	-50			V
Emitter to base voltage	V_{EBO}	$I_E = -10\mu A, I_C = 0$	-7			V
Forward current transfer ratio	h_{FE}^*	$V_{CE} = -10V, I_C = -2mA$	160		460	
Collector to emitter saturation voltage	$V_{CE(sat)}$	$I_C = -50mA, I_B = -5mA$			-0.3	V
Transition frequency	f_T	$V_{CB} = -10V, I_E = 1mA, f = 200MHz$		80		MHz
Collector output capacitance	C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		3.5		pF

* h_{FE} Rank classification

Rank	Q	R	S
h_{FE}	160 ~ 260	210 ~ 340	290 ~ 460

